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S&H Form: (2/01) DOCKET NO. 1826.1129

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Jens C. RASMUSSEN et al.

Serial No: 10/595,031

Group Art Unit: 2874

Confirmation No. 1554

Filed: December 30, 2005

Examiner:

For:

POLARIZATION MODE DISPERSION COMPENSATOR FOR RESET-FREE, ENDLESS POLARIZATION CONTROL WITHOUT REQUIRING REWIND OPERATIONS AND

METHOD THEREOF

REQUEST FOR CORRECTED FILING RECEIPT

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

It is requested that the Assignee and the title on the Official Filing Receipt be corrected. The correct Assignee is FUJITSU LIMITED, Kawasaki, JAPAN and the correct title is POLARIZATION MODE DISPERSION COMPENSATOR RESET-FREE, ENDLESS POLARIZATION CONTROL WITHOUT REQUIRING REWIND OPERATIONS AND METHOD THEREOF, as is evidenced by the copy of the Assignment and copy of the Declaration, attached to the application as filed. For the convenience of the Patent and Trademark Office, attached is a photocopy of the original receipt on which the errors have been noted in red.

It is requested that a corrected Official Filing Receipt be issued in this application.

Respectfully submitted,

STAAS & HALSEY LLP

Doto:

By:

Andall Beckers

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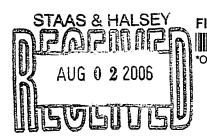
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FILING OR 371 ART UNIT FIL FEE REC'D ATTY.DOCKET NO DRAWINGS TOT CLMS APPL NO. IND CLMS (c) DATE 12/30/2005 2874 900 1826.1129 17 3 10/595,031

CONFIRMATION NO. 1554

21171 STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005



FILING RECEIPT OC000000019721995

Date Mailed: 07/24/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Jens C. Rasmussen, Kawasaki, JAPAN;

Akihiko Isomura, Kawasaki, JAPAN;
Assignment for Published Patent Application
Fujitsu Limited, Kawasaki, JAPAN - —
Power of Attorney: The patent practitioners associated with Customer Number 21171.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP03/08767 07/10/2003

Foreign Applications

If Required, Foreign Filing License Granted: 07/21/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/595,031**

Projected Publication Date: 11/02/2006

Non-Publication Request: No

Early Publication Request: No

Title

Polarization mode dispersion compensator and method thereof mode dispersion compensator for reset-free, endless control without requiring rewind operations and method

Preliminary Class

385

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

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Declaration and Power of Attorney for Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

私は、以下に記名された発明者として、ここに下記の通り宣言する:	As a below named inventor, I hereby declare that:
私の住所、郵便の宛先そして国籍は、私の氏名の後に記載された通 りである。	My residence, post office address and citizenship are as stated next to my name.
下記の名称の発明について、特許請求範囲に記載され、且つ特許が 求められている発明主題に関して、私は、最初、最先且つ唯一の発明 者である(唯一の氏名が記載されている場合)か、或いは最初、最先 且つ共同発明者である(複数の氏名が記載されている場合)と信じて いる。	I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
	POLARIZATION MODE DISPERSION COMPENSATOR FOR
	RESET-FREE, ENDLESS POLARIZATION CONTROL
	WITHOUT REQUIRING REWIND OPERATIONS AND
	METHOD THEREOF
上記発明の明細書はここに添付されているが、下記の欄がチェック されている場合は、この限りでない:	the specification of which is attached hereto unless the following box is checked:
□	was filed on 10 th /July/2003 as United States Application Number or PCT International Application Number PCT/JP2003/008767 and was amended on (if applicable).
私は、上記の補正書によって補正された、特許請求範囲を含む上記明細書を検討し、且つ内容を理解していることをここに表明する。	I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.
私は、連邦規則法典第37編規則1.56に定義されている、特許・性について重要な情報を開示する義務があることを認める。	I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

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いかなる出願も、下記の枠内をチェックすることにより示した。		International application having a filing date before that of the application for which priority is claimed.	
Prior Foreign Application(s) 外国での先行出願			Priority Not Claimed 優先権主張なし
(Number)	(Country)	(Day/Month/Yea	r Filed)
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(出願番号)	(出廢日)	(出願番号)	(出願日)
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(Application No.)	(Filing Date)	(Status: Patented, Pendi	-
(出願番号)	(出願日)	(現況 : 特許許可、	
(Application No.)	(Filing Date)	(Status: Patented, Pendi	
(出顏番号)	(出顏日)	(現况 : 特許許可、	
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POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number).

The attorneys and agents of Staas & Halsey LLP under USPTO Customer No. 21,171.

書類送付先

すること)

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		German	
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		Akihiko ISOMURA	
第二共同発明者の署名	日付	Second inventor's signature Date	
		成打 卓强 atoler 7. 2005	
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		Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan	

joint inventors.)

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

	and Notification of	f Transmittal of International Search Report		
Applicant's or agent's file reference	FOR FURTHER see Notification o	20) as well as, where applicable, item 5 below.		
0050000/2512	ACTION	20) do won do, mioro apprioratio, nom o ocioni		
0253398/3513	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)		
International application No.	International tiling date (day/monabycar)	(Lamosty : Harry Date (Lay/Mentary Cary		
PCT/JP 03/08767	10/07/2003			
Applicant				
Арріісані				
FUJITSU LIMITED				
This International Search Report has beer	n prepared by this International Searching Auth	nority and is transmitted to the applicant		
according to Article 18. A copy is being tra	ansmitted to the International Bureau.			
This International Search Report consists	of a total of 4 sheets.	•		
	a copy of each prior art document cited in this	report.		
Basis of the report				
-	international search was carried out on the bas	sis of the international application in the		
language in which it was filed, unl	ess otherwise indicated under this item.			
United and a combine	ras carried out on the basis of a translation of t	he international application furnished to this		
Authority (Rule 23.1(b)).	as carried out off the basis of a translation of the	ne international application farmones to the		
b. With regard to any nucleotide an	d/or amino acid sequence disclosed in the in	ternational application, the international search		
was carried out on the basis of the	e sequence listing:			
contained in the internation	onal application in written form.			
filed together with the inte	rnational application in computer readable for	n.		
	this Authority in written form.			
furnished subsequently to	this Authority in computer readble form.			
the statement that the sub-	osequently furnished written sequence listing d is filed has been furnished.	oes not go beyond the disclosure in the		
		s identical to the written sequence listing has been		
the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished				
<u> </u>				
2. Certain claims were fou	nd unsearchable (See Box I).			
3. Unity of invention is lac	king (see Box II).			
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4. With regard to the title ,	to the device and book			
the text is approved as su				
X the text has been established by this Authority to read as follows:				
POLARIZATION MODE DISPERSION COMPENSATOR AND METHOD THEREOF				
5. With regard to the abstract,				
 the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, 				
within one month from the date of mailing of this international search report, submit comments to this Authority.				
		0		
6. The figure of the drawings to be publication		None of the figures.		
as suggested by the appli				
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because this figure better characterizes the invention.

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(19) World Intellectual Property Organization International Bureau



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10 July 2003 (10.07.2003)

(25) Filing Language:

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(71) Applicant (for all designated States except US): FUJITSU LIMITED [JP/JP]; 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 (JP).

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211-8588 (JP). ISOMURA, Akihiko [JP/JP]; c/o Fujitsu Limited, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 (JP).

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(81) Designated States (national): CN, JP, US.

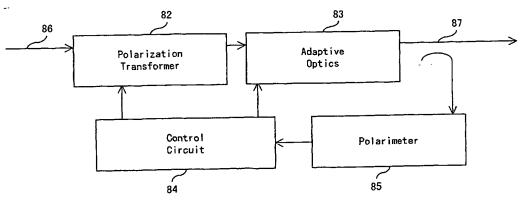
(84) Designated States (regional): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, 1E, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: POLARIZATION MODE DISPERSION COMPENSATOR AND METHOD THEREOF



(57) Abstract: A polarization transformer in a polarization mode dispersion compensator is adjusted over its changing device characteristics with anythmetal changes and time by using a feedback signal indicating a state of polarization and a distortion of an

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1 inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S))	.00), and of other good and valuable	consideration paid to the undersigned	
FUJITSU LIMITED			
1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-si	ni, Kanagawa 211-8588 Japan		
(hereinafter, "ASSIGNEE"), the receipt of which is hereby ASSIGNEE the entire and exclusive right, title and interest (Title of Invention) POLARIZATION MODE DISPERSION COMPENSATION	to the invention entitled		
WITHOUT REQUIRING REWIND OPERATION ANI			
relating to International Patent Application PCT/JP/_executed on even date herewith or, if not so executed, was:		for Letters Patent of the United States was	
(a) executed on;	(Insert date of execution of appl	ication, if not concurrent)	
(b) filed on	,		
Serial No;	Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.		
and to said application and all Letters Patent(s) of the Unit substitute, reissue or reexamination application based there including any extensions thereof (collectively, hereinafter,	on, for the full term or terms for which th	e said Letters Patent(s) may be granted and	
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IN WITNESS WHEREOF, the undersigned inventor(s)	has (have) affixed his/her/their signature	e(s).	
1) Hen Parasan	Jens C. RASMUSSEN	Odol co 17, 2005	
(Signature)	<i>(Type Name)</i> Akihiko ISOMURA	(Date)	
2) /12 7 / (Signature)	(Type Name)	(Date)	
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